



*Handwritten initials and a dollar sign.*

00865.004477 (865.4477)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:

MAKOTO MISAKA

Appl. No.: 09/576,297

Filed: May 23, 2000

For: ZOOM LENS, AND IMAGE PICKUP  
APPARATUS AND IMAGE  
PROJECTION APPARATUS USING  
THE SAME

U.S. Patent No.: 6,710,931 B1

Issued: March 23, 2004

Examiner: W. Choi

Group Art Unit: 2873

**Certificate  
JUL 07 2004  
of Correction**

June 30, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

07/02/2004 HALI22 00000033 6710931

01 FC:1811

100.00 OP

**CERTIFICATE OF CORRECTION  
UNDER RULES 322 AND 323**

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form (Form PTO-1050), in duplicate, is enclosed.

Accompanying this letter is a check for \$100.00 to cover the statutory fee for such Certificate of Correction.

**JUL 08 2004**

Patentee's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



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Attorney for Patentee  
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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,710,931 B1  
DATED : March 23, 2004  
INVENTOR(S) : MAKOTO MISAKA

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 1:

Line 43, "a" should be deleted.

COLUMN 3:

Line 34, "said" should read --side--.

COLUMN 5:

Line 14, "DRAWING" should read --DRAWINGS--.

COLUMN 6:

Line 1, "a" should be deleted.

COLUMN 7:

Line 32, "aberration a" should read --aberration--.  
Line 37, "m" should be deleted.

COLUMN 11:

Line 9, "a" should be deleted.  
Line 42, "positive lens" should read --positive lenses--.

MAILING ADDRESS OF SENDER:

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Page 2 of 3

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COLUMN 13:

Line 35, "positive lens" should read --positive lenses--.

COLUMN 17:

Line 13, "D12 = 1.62" should read --D12 = 1.82--.

COLUMN 19:

Line 41, "C = 1.603327e-08" should read --C = 1.60327e-08--.

COLUMN 20:

Line 35, "R6 = 48 635" should read --R6 = 48.635--.

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Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 21:

Line 20, "R13 -89.465" should read --R13 = -89.465--.

COLUMN 24:

Line 46, "flis" should read --fl is--.

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